

ABSTRACT OF THE DISCLOSURE

The present invention relates to a device capable of easily and reliably selecting and determining parameters such as the optimum maximum number of cuboids and the like corresponding to an analytical target model. For this purpose, in the present invention, two or more kinds of parameter kits each including a maximum number of cuboids and parameters for division control for producing cuboids are previously stored in a library, at least one of the two or more kinds of parameter kits stored in the library is selected, and the analytical target model is divided, based on the selected parameter kit and the three-dimensional CAD data, into cuboids of less than or equal to a maximum number of cuboids included in the selected parameter kit. Such present invention is preferably applied to automatic conversion software for converting three-dimensional CAD data obtained by Pro/E, I-DES, Parasolid, AutoCAD, VPS, or the like.